JOURNAL OF ORGANOMETALLIC CHEMISTRY, VOL. 410 (1991)

AUTHOR INDEX

Äbele, E., (410) 127
Adams, H., (410) C21
Al-Rubaie, A.Z., (410) 309
Albéniz, A.C., (410) 257

Bailey, N.A., (410) C21
Bandini, A.L., (410) 241
Banditelli, G., (410) 241
Barbot, F., (410) 277
Bärhausen, D., (410) 117
Beck, W., (410) 111
Bendix, M., (410) C5
Berksoy, E.M., (410) 293
Bochkarev, M.N., (410) 321
Bogoradovsky, E.T., (410) 287
Böhme, P., (410) 403
Bonati, F., (410) 241
Browning, J., (410) 389
Bruce, M.I., (410) 211
Brune, H.-A., (410) 265

Calogero, S., (410) 241
Cano, M., (410) 101
Carvalho, M.F.N.N., (410) 347
Chakrabarty, D., (410) 143
Chi, Y., (410) 85
Chuang, S.-H., (410) 85
Cuevas, J.C., (410) 257

Debaerdemaeker, T., (410) 265
de Mendoza, J., (410) 257
Dixon, K.R., (410) 389
Djafri, F., (410) 335
Dong, T.-Y., (410) C39
Dräger, M., (410) 43
Draper, S.M., (410) C44
Dubinskaya, E.I., (410) 13

Edelmann, F.T., (410) 53
Ehara, K., (410) C49
Ejfler, J., (410) 149
Ensing, G., (410) 63
Erker, G., (410) C5
Espinet, P., (410) 257

Fedushkin, I.L., (410) 321
Filippou, A.C., (410) 175
Frank, S.M., (410) 159

Gehrke, J.-P., (410) 403
Goldberg, Yu., (410) 127
Grünleitner, W., (410) 175

Hadj-Bagheri, N., (410) 231
Hagen-Eckhard, H.-S., (410) 73
Haggerty, B.S., (410) C44
Hahn, F.E., (410) C9
Hengge, E., (410) C1
Heras, J.V., (410) 101
Herberhold, M., (410) 159
Hilts, R.W., (410) 389
Hoberg, H., (410) 117
Hohenadel, R., (410) 265
Horng, K.-M., (410) 85
Hossain, Md. M., (410) 143
Housecroft, C.E., (410) C44
Hwang, M.-Y., (410) C39

Jain, V.K., (410) 135
Jammegg, Ch., (410) C1
Jung, I.N., (410) 33
Jurkschat, K., (410) 43
Jutzi, P., (410) C13

Keep, A.K., (410) C44
Kesavadas, T., (410) 135
Kiprof, P., (410) 175
Klein, K.-D., (410) C35
Knight Castro, H.H., (410) 63
Kobayashi, K., (410) C25
Krämer, R., (410) 111
Kumagaya, K., (410) C49
Kumar, R.K., (410) 143

Laï, R., (410) 335
Lang, H., (410) 379
Le Bot, S., (410) 335
Lee, G.-H., (410) 85
Lee, M.E., (410) 33
Lee, T.-Y., (410) C39
Leise, M., (410) 379
Liao, F.-L., (410) 85
Liddell, M.J., (410) 211
Liepiņš, E., (410) 287
Lis, T., (410) 149
Loebel, J., (410) 321
Lukevics, E., (410) 127

Maercker, A., (410) C35
Márton, J., (410) 357
Masuda, H., (410) 309
Mathur, P., (410) 143
Matthews, D.M., (410) C44
Matyjaszewski, K., (410) 1
Meanwell, N.J., (410) 389
Meetsma, A., (410) 63
Mena, M., (410) C5
Mendoza, J. de, (410) 257
Miginiac, Ph., (410) 277
Monge, A., (410) 101
Müller, E.P., (410) C29
Mynott, R., (410) 117

Nagy, Á.G., (410) 357
Neumann, B., (410) C13
N'Goma, D., (410) 277
Nicholson, B.K., (410) 211
Noltemeyer, M., (410) 53
Nomura, T., (410) C25

Ovejero, P., (410) 101

Panek, K., (410) 63
Peng, S.-M., (410) 85
Peringer, P., (410) C29
Peter, M., (410) C29
Petrova, M.V., (410) 287
Phillips, I.G., (410) 247
Pinilla, E., (410) 101
Polborn, K., (410) 111
Pombeiro, A.J.L., (410) 347
Prados, P., (410) 257
Probst, M., (410) C29

JOURNAL OF ORGANOMETALLIC CHEMISTRY, VOL. 410 (1991)

AUTHOR INDEX

Äbele, E., (410) 127
Adams, H., (410) C21
Al-Rubaie, A.Z., (410) 309
Albéniz, A.C., (410) 257

Bailey, N.A., (410) C21
Bandini, A.L., (410) 241
Banditelli, G., (410) 241
Barbot, F., (410) 277
Bärhausen, D., (410) 117
Beck, W., (410) 111
Bendix, M., (410) C5
Berksoy, E.M., (410) 293
Bochkarev, M.N., (410) 321
Bogoradovsky, E.T., (410) 287
Böhme, P., (410) 403
Bonati, F., (410) 241
Browning, J., (410) 389
Bruce, M.I., (410) 211
Brune, H.-A., (410) 265

Calogero, S., (410) 241
Cano, M., (410) 101
Carvalho, M.F.N.N., (410) 347
Chakrabarty, D., (410) 143
Chi, Y., (410) 85
Chuang, S.-H., (410) 85
Cuevas, J.C., (410) 257

Debaerdemaeker, T., (410) 265
de Mendoza, J., (410) 257
Dixon, K.R., (410) 389
Djafri, F., (410) 335
Dong, T.-Y., (410) C39
Dräger, M., (410) 43
Draper, S.M., (410) C44
Dubinskaya, E.I., (410) 13

Edelmann, F.T., (410) 53
Ehara, K., (410) C49
Ejfler, J., (410) 149
Ensing, G., (410) 63
Erker, G., (410) C5
Espinet, P., (410) 257

Fedushkin, I.L., (410) 321
Filippou, A.C., (410) 175
Frank, S.M., (410) 159

Gehrke, J.-P., (410) 403
Goldberg, Yu., (410) 127
Grünleitner, W., (410) 175

Hadj-Bagheri, N., (410) 231
Hagen-Eckhard, H.-S., (410) 73
Haggerty, B.S., (410) C44
Hahn, F.E., (410) C9
Hengge, E., (410) C1
Heras, J.V., (410) 101
Herberhold, M., (410) 159
Hilts, R.W., (410) 389
Hoberg, H., (410) 117
Hohenadel, R., (410) 265
Horng, K.-M., (410) 85
Hossain, Md. M., (410) 143
Housecroft, C.E., (410) C44
Hwang, M.-Y., (410) C39

Jain, V.K., (410) 135
Jammegg, Ch., (410) C1
Jung, I.N., (410) 33
Jurkschat, K., (410) 43
Jutzi, P., (410) C13

Keep, A.K., (410) C44
Kesavadas, T., (410) 135
Kiprof, P., (410) 175
Klein, K.-D., (410) C35
Knight Castro, H.H., (410) 63
Kobayashi, K., (410) C25
Krämer, R., (410) 111
Kumagaya, K., (410) C49
Kumar, R.K., (410) 143

Laï, R., (410) 335
Lang, H., (410) 379
Le Bot, S., (410) 335
Lee, G.-H., (410) 85
Lee, M.E., (410) 33
Lee, T.-Y., (410) C39
Leise, M., (410) 379
Liao, F.-L., (410) 85
Liddell, M.J., (410) 211
Liepiņš, E., (410) 287
Lis, T., (410) 149
Loebel, J., (410) 321
Lukevics, E., (410) 127

Maercker, A., (410) C35
Márton, J., (410) 357
Masuda, H., (410) 309
Mathur, P., (410) 143
Matthews, D.M., (410) C44
Matyjaszewski, K., (410) 1
Meanwell, N.J., (410) 389
Meetsma, A., (410) 63
Mena, M., (410) C5
Mendoza, J. de, (410) 257
Miginiac, Ph., (410) 277
Monge, A., (410) 101
Müller, E.P., (410) C29
Mynott, R., (410) 117

Nagy, Á.G., (410) 357
Neumann, B., (410) C13
N'Goma, D., (410) 277
Nicholson, B.K., (410) 211
Noltemeyer, M., (410) 53
Nomura, T., (410) C25

Ovejero, P., (410) 101

Panek, K., (410) 63
Peng, S.-M., (410) 85
Peringer, P., (410) C29
Peter, M., (410) C29
Petrova, M.V., (410) 287
Phillips, I.G., (410) 247
Pinilla, E., (410) 101
Polborn, K., (410) 111
Pombeiro, A.J.L., (410) 347
Prados, P., (410) 257
Probst, M., (410) C29

Recknagel, A., (410) 53
Rehbaum, F., (410) 327
Rheingold, A.L., (410) C44
Ruehl, K.E., (410) 1

Schei, C.-C., (410) C39
Scherzer, K., (410) 403
Schmidt, B.M., (410) 43
Schnittger, J., (410) C13
Schroth, G., (410) 117
Schumann, H., (410) 321, 365
Shapley, J.R., (410) 231
Sheldrick, W.S., (410) 73
Shymanska, M., (410) 127
Skelton, B.W., (410) 211
Sobota, P., (410) 149
Sohár, P., (410) 357
Stammler, H.-G., (410) C13
Steel, P.J., (410) 247
Strickland, D.S., (410) 231

Takahashi, K., (410) C49
Tamm, M., (410) C9
Tanase, T., (410) C25
Taube, R., (410) 403
Teuben, J.H., (410) 63
Thiele, K.-H., (410) 327
Tiekink, E.R.T., (410) 135, 211
Trojanov, S.I., (410) 327

Uemura, S., (410) 309
Utko, J., (410) 149

Vaalburg, W., (410) 63
Vatsa, C., (410) 135
Voronkov, M.G., (410) 13
Wagner, F.E., (410) 241
Wang, F., (410) 389
Wang, S.-L., (410) 85
Weinberger, M., (410) C1
White, A.H., (410) 211
Whitehead, M.A., (410) 293
Wilson, S.R., (410) 231
Winter, M.J., (410) C21
Woodward, S., (410) C21
Wrackmeyer, B., (410) 159
Wu, J.-C., (410) 85

Yamamoto, Y., (410) C25, C49
Yamazaki, H., (410) C49
Yoo, B.R., (410) 33

Zavgorodny, V.S., (410) 287
Ziller, J.W., (410) 365
Zsolnai, L., (410) 379

JOURNAL OF ORGANOMETALLIC CHEMISTRY, VOL. 410 (1991)

SUBJECT INDEX

Chromium

Carbonylchromium, carbonylmolybdenum and carbonyltungsten complexes of the asymmetrically substituted phosphino sulfur diimides $^{t}Bu_2P(NSN)PPh_2$ and $^{t}Bu_2P(NSN)P(^{t}Bu)Ph$; ^{1}H, ^{13}C and ^{31}P NMR spectroscopic characterisation of (M. Herberhold, S.M. Frank, B. Wrackmeyer), (410) 159

$CH_3C[CH_2NC-M(CO)_x]_3$ complexes (M = Cr, W, $x = 5$; M = Fe, $x = 4$), synthesis of; crystal structure of $CH_3C[CH_2NC-W(CO)_5]_3$ (F.E. Hahn, M. Tamm), (410) C9

Naphthaleneytterbium, reactions with bis(cyclopentadienyl)complexes of cobalt, nickel, chromium and vanadium; crystal structure of the triple-decker compound $CpVC_{10}H_8VCp$ (M.N. Bochkarev, I.L. Fedushkin, H. Schumann, J. Loebel), (410) 321

Cobalt

Naphthaleneytterbium, reactions with bis(cyclopentadienyl)complexes of cobalt, nickel, chromium and vanadium; crystal structure of the triple-decker compound $CpVC_{10}H_8VCp$ (M.N. Bochkarev, I.L. Fedushkin, H. Schumann, J. Loebel), (410) 321

Octacarbonyldicobalt, reductive dehalogenation of chloro(alkynyl)phosphines by (H. Lang, M. Leise, L. Zsolnai), (410) 379

Germanium

Methylethynylgermanes; ^{73}Ge, ^{13}C and ^{1}H NMR spectroscopy of (E. Liepiņš, M.V. Petrova, E.T. Bogoradovsky, V.S. Zavgorodny), (410) 287

Gold

Iridium-193 and gold-197 Mössbauer investigations of iridium(I), iridium(III) and iridium(I)/gold(I) complexes (A.L. Bandini, G. Banditelli, F. Bonati, S. Calogero, F.E. Wagner), (410) 241

Hafnium

Heterobimetallic Zr,Hf(μ-formaldehyde) complex from $[(CH_2O)ZrCp_2]$ dimer and hafnocene dichloride (G. Erker, M. Mena, M. Bendix), (410) C5

Iridium

Chiral chloro(dimethylsulfoxide)(η^5-pentamethylcyclopentadienyl)thyminatoiridium(III), preparation and structure of (R. Krämer, K. Polborn, W. Beck), (410) 111

Iridium-193 and gold-197 Mössbauer investigations of iridium(I), iridium(III) and iridium(I)/gold(I) complexes (A.L. Bandini, G. Banditelli, F. Bonati, S. Calogero, F.E. Wagner), (410) 241

Tris(diphenylthiophosphinoyl)methane and tris(diphenylthiophosphinoyl)methanide complexes of rhodium and iridium, synthesis and structural characterisation of; crystal structures of $[Rh(C_8H_{12})\{\eta^2\text{-}C(P(S)Ph_2)_3\text{-}S,S\}]$ and $[Ir(CO)_2\{\eta^2\text{-}C(P(S)Ph_2)_3\text{-}S,S\}]$ (J. Browning, K.R. Dixon, R.W. Hilts, N.J. Meanwell, F. Wang), (410) 389

Iron

$CH_3C[CH_2NC-M(CO)_x]_3$ complexes (M = Cr, W, $x = 5$; M = Fe, $x = 4$), synthesis of; crystal structure of $CH_3C[CH_2NC-W(CO)_5]_3$ (F.E. Hahn, M. Tamm), (410) C9

Cyclopentadienyliron bis(phosphine) complexes with dimethylchalcogenide ligands; synthesis, reactivity and crystal structure of $[C_5H_5Fe(P(OCH_3)_3)_2(S(CH_3)_2)]PF_6$ (H. Schumann, J.W. Ziller), (410) 365

Ferrocenyl-CO-CH=CH-aryl-type chalcone-analogous ferrocenes *ortho*-substituted in the aromatic ring, spectroscopic investigation of (Á.G. Nagy, P. Sohár, J. Márton), (410) 357

$Fe_2Ru(\mu_3\text{-}Se)(\mu_3\text{-}Te)(CO)_9$ and $(\eta^5\text{-}C_5H_5)CoFe_2(\mu_3\text{-}Se)(\mu_3\text{-}Te)(CO)_6$, synthesis and characterisation of (D. Chakrabarty, Md.M. Hossain, R.K. Kumar, P. Mathur), (410) 143

Mixed-valence 1′,1‴-dibenzylferrocenium cations, micromodulation of electron transfer rates in (T.-Y. Dong, C.-C. Schei, M.-Y. Hwang, T.-Y. Lee), (410) C39

Lead

Diphenyllead(IV) dichloride, molecular electronic structure of; comparison with diphenyltin(IV) dichloride by the SCF–MS molecular-orbital method (E.M. Berksoy, M.A. Whitehead), (410) 293

Lithium

1,6-Dilithio-3-hexyne, preparation by cleavage of 1,1′-bicyclopropylidene with lithium powder; isolation of the intermediate (1,3-dilithiopropylidene)cyclopropane (A. Maercker, K.-D. Klein), (410) C35

Organolithium and -magnesium compounds, conjugated addition to α-ethylenic mesitylketones (F. Barbot, D. N'Goma, Ph. Miginiac), (410) 277

Magnesium

Organolithium and -magnesium compounds, conjugated addition to α-ethylenic mesitylketones (F. Barbot, D. N'Goma, Ph. Miginiac), (410) 277

Mercury

trans-$NiI_2(RNC)_2$ complex, unusual reductive behaviour at mercury and platinum electrodes (K. Ehara, K. Kumagaya, Y. Yamamoto, K.Takahashi, H. Yamazaki), (410) C49

Metallocenes

(μ-Alkylideneamido)titanocene complex $[(C_5H_5)_2TiCl]_2[\mu\text{-}\{N{=}C(CH_2C_6H_5)C(CH_2C_6H_5){=}N\}]$, preparation and crystal structure of (F. Rehbaum, K.-H. Thiele, S.I. Trojanov), (410) 327

$Cp_2^*Sm(THF)_2$, reactions with 1,4-diazadienes and cyclooctatetraene (A. Recknagel, M. Noltemeyer, F.T. Edelmann), (410) 53

Disilanes, dehydrogenative polymerisation catalysed by titanocene and zirconocene complexes; novel route to oligo- and poly-silanes (E. Hengge, M. Weinberger, Ch. Jammegg), (410) C1

Heterobimetallic Zr,Hf(μ-formaldehyde) complex from $[(CH_2O)ZrCp_2]$ dimer and hafnocene dichloride (G. Erker, M. Mena, M. Bendix), (410) C5

Mixed-valence 1′,1‴-dibenzylferrocenium cations, micromodulation of electron transfer rates in (T.-Y. Dong, C.-C. Schei, M.-Y. Hwang, T.-Y. Lee), (410) C39

Molybdenum

Carbonylchromium, carbonylmolybdenum and carbonyltungsten complexes of the asymmetrically substituted phosphino sulfur diimides $^tBu_2P(NSN)PPh_2$ and $^tBu_2P(NSN)P(^tBu)Ph$; ^1H, ^{13}C and ^{31}P NMR spectroscopic characterisation of (M. Herberhold, S.M. Frank, B. Wrackmeyer), (410) 159

$CpMH\{=\underline{C(NHEt)Ph}\}(CO)_2$ (M = Mo, W) system, hydride to carbene migration in; crystal structure of $CpMo\{\eta^2\text{-}\underline{CH(Ph)NHEt}\}(CO)_2$ (H. Adams, N.A. Bailey, M.J. Winter, S. Woodward), (410) C21

High-valent molybdenum complexes, reaction with carbon monoxide (R. Laï, S. Le Bot, F. Djafri), (410) 335

$[(OC)_3M(\mu\text{-}Cl)(\mu\text{-}CO)(\mu\text{-}dppm)Rh(NBD)]$ (M = Mo, W) tribridged derivatives, formation by ring opening of $[(OC)_4M(dppm\text{-}PP)]$; crystal structure of $[(OC)_3Mo(\mu\text{-}Cl)(\mu\text{-}CO)(\mu\text{-}dppm)Rh(NBD)]$ (M. Cano, J.V. Heras, P. Ovejero, E. Pinilla, A. Monge), (410) 101

Tetra-tert-butyl-pentafulvalene as ligand in dinuclear molybdenum complexes; *cis*-configuration without a metal–metal bond (P. Jutzi, J. Schnittger, B. Neumann, H.-G. Stammler), (410) C13

Nickel

η^3,η^2,η^2-Dodeca-2(*E*),6(*E*),10(*Z*)-trien-1-ylnickel(II) complexes $[Ni(C_{12}H_{19})]X$ ($X = BF_4$, $B(O_2C_6H_4)_2$, CF_3SO_3, $AlBr_4$) as catalysts for 1,4-polymerisation of butadiene; anion influence on catalytic structure–reactivity relationships (R. Taube, J.-P. Gehrke, P. Böhme, K. Scherzer), (410) 403

Naphthaleneytterbium, reactions with bis(cyclopentadienyl)complexes of cobalt, nickel, chromium and vanadium; crystal structure of the triple-decker compound $CpVC_{10}H_8VCp$ (M.N. Bochkarev, I.L. Fedushkin, H. Schumann, J. Loebel), (410) 321

Ni^0 catalysed reactions between 1,3-butadiene and phenylisocyanate (H. Hoberg, D. Bärhausen, R. Mynott, G. Schroth), (410) 117

trans-$NiI_2(RNC)_2$ complex, unusual reductive behaviour at mercury and platinum electrodes (K. Ehara, K. Kumagaya, Y. Yamamoto, K.Takahashi, H. Yamazaki), (410) C49

Osmium

$Os_3(CO)_{10}(\mu\text{-Br})(CH{=}CHPh)$ triosmium complex, reactions with benzyl isonitrile and triphenylphosphine; crystal structure and solution fluxionality of the ethenyl derivatives (S.-H. Chuang, Y. Chi, F.-L. Liao, S.-L. Wang, S.-M. Peng, G.-H. Lee, J.-C. Wu, K.-M. Horng), (410) 85

Triosmium and triruthenium carbon radicals, reactivity toward fluoro- and hexafluorobenzene (N. Hadj-Bagheri, D.S. Strickland, S.R. Wilson, J.R. Shapley), (410) 231

Palladium

Binuclear palladium complexes of isocyanides with novel bridging η^3-indenyl ligands, synthesis and characterisation of; crystal structure of $[Pd_2(\mu\text{-}\eta^3\text{-indenyl})_2(RNC)_2]$ (R = 2,6-dimethylphenyl) (T. Tanase, T. Nomura, Y. Yamamoto, K. Kobayashi), (410) C25

Double cyclopalladation of diacetylbenzene dioximes and 1,5-bis(dimethylamino)naphthalene (I.G. Phillips, P.J. Steel), (410) 247

Palladium(II) complexes of 3,3′-, 5,5′-, and 7,7′-dimethyl-2,2′-biindazole (A.C. Albéniz, J.C. Cuevas, P. Espinet, J. de Mendoza, P. Prados), (410) 257

Phosphorus

Carbonylchromium, carbonylmolybdenum and carbonyltungsten complexes of the asymmetrically substituted phosphino sulfur diimides $^tBu_2P(NSN)PPh_2$ and $^tBu_2P(NSN)P(^tBu)Ph$; ^1H, ^{13}C and ^{31}P NMR spectroscopic characterisation of (M. Herberhold, S.M. Frank, B. Wrackmeyer), (410) 159

9,9-(1,2,5,6-η^4-Cycloocta-1,5-diene)-3,6-bis(tert-butyl)dibenzoplatinol and 9,9-bis(triphenylphosphine)-3,6-bis(trifluoromethyl)dibenzoplatinol, crystal and molecular structures of (T. Debaerdemaeker, R. Hohenadel, H.-A. Brune), (410) 265

Cyclopentadienyliron bis(phosphine) complexes with dimethylchalcogenide ligands; synthesis, reactivity and crystal structure of $[C_5H_5Fe(P(OCH_3)_3)_2(S(CH_3)_2)]PF_6$ (H. Schumann, J.W. Ziller), (410) 365

Ni^0 catalysed reactions between 1,3-butadiene and phenylisocyanate (H. Hoberg, D. Bärhausen, R. Mynott, G. Schroth), (410) 117

Octacarbonyldicobalt, reductive dehalogenation of chloro(alkynyl)phosphines by (H. Lang, M. Leise, L. Zsolnai), (410) 379

Platinum

9,9-(1,2,5,6-η^4-Cycloocta-1,5-diene)-3,6-bis(tert-butyl)dibenzoplatinol and 9,9-bis(triphenylphosphine)-3,6-bis(trifluoromethyl)dibenzoplatinol, crystal and molecular structures of (T. Debaerdemaeker, R. Hohenadel, H.-A. Brune), (410) 265

$[PtMe(pp_3)]^+$ ($pp_3 = P(CH_2CH_2PPh_2)_3$) five-coordinate organoplatinum cation, synthesis by oxidative addition of methyl iodide to $[Pt_2(\mu\text{-}pp_3)_2]$ (M. Peter, M. Probst, P. Peringer, E.P. Müller), (410) C29

Potassium

Tetra-tert-butyl-pentafulvalene as ligand in dinuclear molybdenum complexes; *cis*-configuration without a metal–metal bond (P. Jutzi, J. Schnittger, B. Neumann, H.-G. Stammler), (410) C13

Rhenium

Rhenium cyanamide-isocyanide complexes *trans*-$[ReL(CNR)(Ph_2PCH_2CH_2PPh_2)_2]^+$ ($L = NCNH_2$ or $NCNH^-$), synthesis and electrochemical behaviour of (M.F.N.N. Carvalho, A.J.L. Pombeiro), (410) 347

Rhodium

[$(OC)_3M(\mu\text{-}Cl)(\mu\text{-}CO)(\mu\text{-}dppm)Rh(NBD)$] (M = Mo, W) tribridged derivatives, formation by ring opening of [$(OC)_4M(dppm\text{-}PP)$]; crystal structure of [$(OC)_3Mo(\mu\text{-}Cl)(\mu\text{-}CO)(\mu\text{-}dppm)Rh(NBD)$] (M. Cano, J.V. Heras, P. Ovejero, E. Pinilla, A. Monge), (410) 101

Tris(diphenylthiophosphinoyl)methane and tris(diphenylthiophosphinoyl)methanide complexes of rhodium and iridium, synthesis and structural characterisation of; crystal structures of [$Rh(C_8H_{12})\{\eta^2\text{-}C(P(S)Ph_2)_3\text{-}S,S\}$] and [$Ir(CO)_2\{\eta^2\text{-}C(P(S)Ph_2)_3\text{-}S,S\}$] (J. Browning, K.R. Dixon, R.W. Hilts, N.J. Meanwell, F. Wang), (410) 389

Ruthenium

Binuclear (η^6-benzene)ruthenium(II) complexes with one or two bridging N-donor ligands, synthesis and structural characterisation of (W.S. Sheldrick, H.-S. Hagen-Eckhard), (410) 73

$Fe_2Ru(\mu_3\text{-}Se)(\mu_3\text{-}Te)(CO)_9$ and $(\eta^5\text{-}C_5H_5)CoFe_2(\mu_3\text{-}Se)(\mu_3\text{-}Te)(CO)_6$, synthesis and characterisation of (D. Chakrabarty, Md.M. Hossain, R.K. Kumar, P. Mathur), (410) 143

$Ru_5(\mu_5\text{-}C_2PPh_2)(\mu\text{-}PPh_2)(CO)_{13}$, substitution of CO by $P(OEt)_3$ in; X-ray structures of two isomers of $Ru_5(\mu_5\text{-}C_2PPh_2)(\mu\text{-}PPh_2)(CO)_{12}\{P(OEt)_3\}$ and of $Ru_5(\mu_5\text{-}C_2PPh_2)(\mu\text{-}PPh_2)(CO)_{11}\{P(OEt)_3\}_2$ (M.I. Bruce, M.J. Liddell, E.R.T. Tiekink, B.K. Nicholson, B.W. Skelton, A.H. White), (410) 211

Ruthenaborane cluster $HRu_4(CO)_{12}BH_2$, insertion of 1-phenyl-1-propyne into; isolation and molecular structure of 1-phenyl-2,3-dimethylazulene (S.M. Draper, C.E. Housecroft, A.K. Keep, D.M. Matthews, B.S. Haggerty, A.L. Rheingold), (410) C44

Triosmium and triruthenium carbon radicals, reactivity toward fluoro- and hexafluorobenzene (N. Hadj-Bagheri, D.S. Strickland, S.R. Wilson, J.R. Shapley), (410) 231

Samarium

$Cp_2^*Sm(THF)_2$, reactions with 1,4-diazadienes and cyclooctatetraene (A. Recknagel, M. Noltemeyer, F.T. Edelmann), (410) 53

Selenium

Cyclopentadienyliron bis(phosphine) complexes with dimethylchalcogenide ligands; synthesis, reactivity and crystal structure of $[C_5H_5Fe(P(OCH_3)_3)_2(S(CH_3)_2)]PF_6$ (H. Schumann, J.W. Ziller), (410) 365

$Fe_2Ru(\mu_3\text{-}Se)(\mu_3\text{-}Te)(CO)_9$ and $(\eta^5\text{-}C_5H_5)CoFe_2(\mu_3\text{-}Se)(\mu_3\text{-}Te)(CO)_6$, synthesis and characterisation of (D. Chakrabarty, Md.M. Hossain, R.K. Kumar, P. Mathur), (410) 143

Silicon

Cyclic tellurides; synthesis, reaction and ligand properties of 2,2,6,6-tetramethyl-1-oxa-4-tellura-2,6-disilacyclohexane ($C_6H_{16}OSi_2Te$); crystal structure of $C_6H_{16}OSi_2TeI_2$ (A.Z. Al-Rubaie, S. Uemura, H. Masuda), (410) 309

[5,6 : 7,8]Dibenzo-2-silabicyclo[2.2.2]octanes, photochemical reactions of (B.R. Yoo, M.E. Lee, I.N. Jung), (410) 33

α,ω-Diphenylpermethylated oligosilanes, dearylation with triflic acid (K.E. Ruehl, K. Matyjaszewski), (410) 1

Disilanes, dehydrogenative polymerisation catalysed by titanocene and zirconocene complexes; novel route to oligo- and poly-silanes (E. Hengge, M. Weinberger, Ch. Jammegg), (410) C1

Hydrosilylation of carbonyl compounds catalysed by alkali metal fluorides in the presence of crown ethers (Yu. Goldberg, E. Ābele, M. Shymanska, E. Lukevics), (410) 127

Trimethyliodosilane, reactions with mono-, di-, and trioxacycloalkanes (M.G. Voronkov, E.I. Dubinskaya), (410) 13

Technetium

$Cp'Tc(CO)_3$ derivatives; synthesis, reactions and structure of (H.H. Knight Castro, A. Meetsma, J.H. Teuben, W. Vaalburg, K. Panek, G. Ensing), (410) 63

Tellurium

Cyclic tellurides; synthesis, reaction and ligand properties of 2,2,6,6-tetramethyl-1-oxa-4-tellura-2,6-disilacyclohexane ($C_6H_{16}OSi_2Te$); crystal structure of $C_6H_{16}OSi_2TeI_2$ (A.Z. Al-Rubaie, S. Uemura, H. Masuda), (410) 309

Cyclopentadienyliron bis(phosphine) complexes with dimethylchalcogenide ligands; synthesis, reactivity and crystal structure of $[C_5H_5Fe(P(OCH_3)_3)_2(S(CH_3)_2)]PF_6$ (H. Schumann, J.W. Ziller), (410) 365

$Fe_2Ru(\mu_3\text{-}Se)(\mu_3\text{-}Te)(CO)_9$ and $(\eta^5\text{-}C_5H_5)CoFe_2(\mu_3\text{-}Se)(\mu_3\text{-}Te)(CO)_6$, synthesis and characterisation of (D. Chakrabarty, Md.M. Hossain, R.K. Kumar, P. Mathur), (410) 143

Tin

Diorganotin(IV) carboxylates containing 2-thiophene- or 2-furan-carboxylic acid, synthesis and characterisation of; crystal structure of $[Et_2Sn(O_2CC_4H_3S)_2]$ (C. Vatsa, V.K. Jain, T. Kesavadas, E.R.T. Tiekink), (410) 135

Diphenyllead(IV) dichloride, molecular electronic structure of; comparison with diphenyltin(IV) dichloride by the SCF–MS molecular-orbital method (E.M. Berksoy, M.A. Whitehead), (410) 293

{1-Methyl-1-aza-5-stannabicyclo[3.3.0^{1,5}]octane}sulfide dimers and trimers; crystal structure of the dimer; study of dimer–trimer equilibrium by ^{119}Sn-NMR and FD mass spectrometry (B.M. Schmidt, M. Dräger, K. Jurkschat), (410) 43

Titanium

(μ-Alkylideneamido)titanocene complex $[(C_5H_5)_2TiCl]_2[\mu\text{-}\{N{=}C(CH_2C_6H_5)C(CH_2C_6H_5){=}N\}]$, preparation and crystal structure of (F. Rehbaum, K.-H. Thiele, S.I. Trojanov), (410) 327

Di-μ-chloro-tetrachlorobis(diethyl *o*-phthalate)dititanium(III), a new intermediate for the synthesis of titanium(III) compounds; crystal structure and properties of (P. Sobota, J. Ejfler, J. Utko, T. Lis), (410) 149

Disilanes, dehydrogenative polymerisation catalysed by titanocene and zirconocene complexes; novel route to oligo- and poly-silanes (E. Hengge, M. Weinberger, Ch. Jammegg), (410) C1

Tungsten

Carbonylchromium, carbonylmolybdenum and carbonyltungsten complexes of the asymmetrically substituted phosphino sulfur diimides $^tBu_2P(NSN)PPh_2$ and $^tBu_2P(NSN)P(^tBu)Ph$; ^1H, ^{13}C and ^{31}P NMR spectroscopic characterisation of (M. Herberhold, S.M. Frank, B. Wrackmeyer), (410) 159

$CH_3C[CH_2NC\text{–}M(CO)_x]_3$ complexes (M = Cr, W, $x = 5$; M = Fe, $x = 4$), synthesis of; crystal structure of $CH_3C[CH_2NC\text{–}W(CO)_5]_3$ (F.E. Hahn, M. Tamm), (410) C9

CpMH{=C(NHEt)Ph}$(CO)_2$ (M = Mo, W) system, hydride to carbene migration in; crystal structure of CpMo{η^2-CH(Ph)NHEt}$(CO)_2$ (H. Adams, N.A. Bailey, M.J. Winter, S. Woodward), (410) C21

$[(OC)_3M(\mu\text{-}Cl)(\mu\text{-}CO)(\mu\text{-}dppm)Rh(NBD)]$ (M = Mo, W) tribridged derivatives, formation by ring opening of $[(OC)_4M(dppm\text{-}PP)]$; crystal structure of $[(OC)_3Mo(\mu\text{-}Cl)(\mu\text{-}CO)(\mu\text{-}dppm)Rh(NBD)]$ (M. Cano, J.V. Heras, P. Ovejero, E. Pinilla, A. Monge), (410) 101

Tungsten(0) anionic ethylisocyanide complex, alkylation of; synthesis of alkyl-, η^2-iminoacyl-, 1-azaallyl- and dialkylaminocarbine complexes of tungsten (A.C. Filippou, W. Grünleitner, P. Kiprof), (410) 175

Vanadium

Naphthaleneytterbium, reactions with bis(cyclopentadienyl)complexes of cobalt, nickel, chromium and vanadium; crystal structure of the triple-decker compound $CpVC_{10}H_8VCp$ (M.N. Bochkarev, I.L. Fedushkin, H. Schumann, J. Loebel), (410) 321

Ytterbium

Naphthaleneytterbium, reactions with bis(cyclopentadienyl)complexes of cobalt, nickel, chromium and vanadium; crystal structure of the triple-decker compound $CpVC_{10}H_8VCp$ (M.N. Bochkarev, I.L. Fedushkin, H. Schumann, J. Loebel), (410) 321

Zinc

Organolithium and -magnesium compounds, conjugated addition to α-ethylenic mesitylketones (F. Barbot, D. N'Goma, Ph. Miginiac), (410) 277

Zirconium

Disilanes, dehydrogenative polymerisation catalysed by titanocene and zirconocene complexes; novel route to oligo- and poly-silanes (E. Hengge, M. Weinberger, Ch. Jammegg), (410) C1

Heterobimetallic Zr,Hf(μ-formaldehyde) complex from [$(CH_2O)ZrCp_2$] dimer and hafnocene dichloride (G. Erker, M. Mena, M. Bendix), (410) C5